

1. *Yakovlev, P.M.; Novikova, M.S.; Kostin, O.P.*

Investigation of the degradation of silica gel porous structure.
Part II: Role of the aging of silicic acid hydrogel in the
formation of the porous structure of silica gel. *Koll. zhur.*
chem. 1960-1961 3-4 121.

(MIRA 17:10)

2. *Grigorenko, P.P.; Khoshkovskiy, M.I.* *UkrSSR imeni Pivarenzhenskogo.*

SHEYNFAYN, R. Yu.; LIPKIND, B.A.; STAS', O.P.; NEYMARK, I. Ye.

Mechanism of the porous structure formation in silica gel.
Part 3: Role of aging of neutral and alkaline hydrogels in
the formation of the porous structure of xerogels. Koll.
(MIRA 18:1)
zhur. 26 no.6:734-738 N-D '64

1. Institut fizicheskoy khimii imeni L.V.Pisarzhhevskogo AN
UkrSSR i Gor'kovskaya opytnaya baza Vsesoyuznogo nauchno
issledovatel'skogo instituta po pererabotke nefi i gaza i
polucheniyu zhidkogo topliva.

... ..

Method of the determination of solid cell porous structure.
Part 2. Determination of solid cell structure by measuring the
effects of variation of cell size and the permeability of
intercellular liquid. Coll. paper. 87 no. 6 1964 (1964 18:12)

L. Leonidovich Kuznetsov, Minsk 19 1964 (1964 18:12)
... .. submitted August 10, 1964.

VARVAK, P.M.; KIRIYENKO, V.I.; CHUDNOVSKIY, V.G.; KRYLOV, V.K.; BRAUDE,
Z.I.; FKIMYAN, V.A.; IVANOV-DYATLOV, A.I.; FRANOV, P.I.; ASHAKOV,
A.Ye.; BERDICHEVSKIY, N.M.; IZAKSON, S.I.; KOZLOV, V.Z.; KOLESNIK,
K.S.; KUYDICH, S.A.; SVERDLOV, A.I.; SIMON, Yu.A.; SHEYNFAYN, S.R.;
BOLOTIN, V.V.; GOL'DENELAT, I.I.

Book reviews and Bibliography. Stroi. mekh. i rasch. soor. 3
no.6:46-50 '61. (MIRA 15:4)
(Bibliography—Structures, Theory of)

LUCHANSKIY, L.N.; DAVYDOV, A.V.; SHEYNFEL'D, B.Sh.

Using tall oil for the preparation of rosin-containing alkyd resins. Lakokras. mat. i ikh prim. no.6:75-77 '61. (MIRA 15:3)

1. L'vovskiy lakokrasochnyy zavod.
(Tall oil) (Gums and resins)

SHEYNFELD, N., kand. tekhn. nauk

Effective methods of testing large structural elements. Na
stroi. Ros. 3 no.10:30-31 0 '62. (MIRA 16:6)

(Precast concrete--Testing)

BERDICHEVSKIY, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk;
 MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor
 tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV,
 V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV,
 I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A.,
 kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K.,
 inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKLYAR, B.L., inzh.;
 SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNICHENKO, I.P., inzh.;
 FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNFEL'D,
~~N.M.~~, kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH,
 I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A.,
 kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TENKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed re-
 inforced concrete construction elements] Vremennaya instruksiya po
 tekhnologii izgotovleniya predvaritel'no napriazhennykh zhelezob-
 tonnykh konstruksii. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i
 stroit.materialam, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

BERDICHEVSKIY, G.I.---(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov, Berdichevskiy, Bulgakov, Vasil'yev, Dmitriyev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhpomoshchi Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Sheynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospromstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stvu Ministroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

SHEYNFEL'D, N.M., kand.tekhn.muk; BULGAKOVA, V.V., inzh.

Remarks on S.S.Krotovskii's book "Field testing of large
precast reinforced concrete construction elements." Bet.1
zhel.-bet. no.6:291-292 Je '60. (MIRA 13:7)
(Precast concrete--Testing)
(Krotovskii, S.S.)

BALDEN, V.A., doktor tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk

Roof trusses from steel pipes. Prom.stroi. 43 no.12:27-29
'65. (MIRA 18:12)

²⁴
SHEYNFEL'D, N., kand.tekhn.nauk; MASLOBOYSHCHIKOV, A., tekhnik

Stand for testing large construction elements. Stroitel' no.7:
22-24 JI '60. (MIRA 13:8)
(Girders--Testing)

SHEYNFEL'D, N.M., kand.tekhn.nauk

Dismountable stand for testing beams, wall panels, and girders.
Bet. i zhel.-bet. no. 3:135-136 Mr '61. (MIRA 14:5)
(Prestressed concrete—Testing)

SHEYNFEL'D, N.M., kand.tekhn.nauk

Quality control methods for structural elements must be
improved. *Prom. stroi. 40 no.9:58-59 '62. (MIRA 15:11)*
(Building materials—Testing)

BALDIN, V.A.; BELYAYEV, B.I.; SOKOLOVSKIY, P.I.; SHEYNFEL'D, N.M.;
ARONE, R.G.

Steels of increased and high strength for structural elements.
Prom. stroi. 41 no.1:17-21 Ja '64. (MIRA 17:6)

BAIDIN, V.A., doktor tekhn. nauk; CHF(Nri.D. R.M., kand. tekhn. nauk

Using thin-walled closed profiles in metal structures.

Prom. stroi. 42 no.1:32-34 '65.

(MIRA 18:3)

L 16702-65 EWT(1)/EPA(s)-2/EPF(n)-2/ENG(v)/EPR/ENA(1) Pe-5/Pe-4/Pt-10/
Pu-4 ESD(t)/AEDG(a)/SSD/AFWL/RAEM(a) WW S/0058/64/000/010/E006/E006 B

ACCESSION NR: AR5000791

SOURCE: Ref. zh. Fizika, Abs. 10E43

AUTHORS: Sheynfel'd, V. L.; Rykov, V. I.

TITLE: Thermal conductivity of normal liquids, and its connection with some other physical parameters

CITED SOURCE: Uch. zap. Kishinevs. un-t., v. 69, 1964, 30-34

TOPIC TAGS: thermal conductivity, liquid state, speed of sound, refractive index, surface energy, temperature dependence

TRANSLATION: Formulas are obtained relating the coefficient of thermal conductivity of a liquid with the heat of evaporation, the specific surface energy, and the speed of sound in the liquid. A relation is obtained between the speed of sound in the liquid and the total free surface energy. It is shown that this relation gives the temperature dependence of the speed of sound, which is in much better agreement with experiment than the known formulas of Altenburg

Card 1/2

L 16702-65
ACCESSION NR: AR5000791

and Auerbach. A relation is obtained between the speed of sound in the liquid and its refractive index.

SUB CODE: GP, TD

ENCL: 00

Card 2/2

L 9211-66 EWT(1)/EWT(m)/ETC/ENG(m)/EWP(1)/ETC(m) RPL 22/12/86
ACC NR: AR6000118 SOURCE CODE: UR/0058/65/000/008/EO08/EO08

SOURCE: Ref. zh. Fizika, Abs. 8E53

AUTHORS: Rykov, V. I.; Sheynfel'd, V. L.; Yakovleva, G. S.

ORG: none

TITLE: On the Frenkel'-Gubanov formula and the relation between the speed of sound, heat of evaporation, and surface energy

CITED SOURCE: Uch. zap. Kishinevsk. un-t, v. 75, 1964, 31-34

TOPIC TAGS: surface tension, temperature dependence, thermodynamic law, sound propagation, thermal expansion, evaporation

TRANSLATION: Starting from the well-known Frenkel'-Gubanov formula for the temperature coefficient of surface tension, the authors establish with the aid of several thermodynamic laws the relation between the speed of sound, heat of evaporation, free surface energy, and thermal coefficient of volume expansion for normal liquids. A relation is established between the speed of sound and the boiling temperature.

SUB CODE: 20

Card 1/1

ACC NR: AR7000883

SOURCE CODE: UR/0058/66/000/009/E107/E107

AUTHOR: Sheynfel'd, V. L.

TITLE: Temperature dependence of the galvanomagnetic and thermomagnetic properties of bismuth antimony alloys with lead impurities

SOURCE: Ref. zh. Fizika, Abs. 9E851

REF SOURCE: Sb. Materialy IV Konferentsii molodykh uchenykh Moldavii, 1964, Sekts. fiz.-matem. Kishinev, 1965, 43-47

TOPIC TAGS: ^{bismuth} alloy, ~~bismuth~~ antimony alloy, ~~impurity~~, ~~alloy impurity~~, galvanomagnetic effect, thermomagnetic effect, temperature dependence, ^{metal} property, ^{magnetic property}

ABSTRACT: The galvanomagnetic and thermomagnetic properties of Bi-Sb (0.1; 3.5, and 7 atomic % Sb) with Pb impurities (0.1, 0.3, 0.5, and 1 atomic % Pb) were investigated in the 30—200C temperature range. The dependence of the specific resistance $\rho(T)$ of the Bi-Sb alloy with an Sb concentration of over 1% has a minimum which shifts toward the higher temperatures with the addition of Pb. The Hall coefficient R and magnetic resistance $\Delta\rho/\rho$ decrease with an

Card 1/2

ACC NR: AR7000883

increase in T and in the concentration of both Sb and Pb. However, in a weak field H , the curve R (atomic % Pb) has a maximum. The relationships of thermoelectric efficiency of alloys $\alpha(T)$ and α (atomic % Pb) have maximums which depend on the Sb concentration. The dependence curve of Nernst-Ettingshausen's ($N-E$) longitudinal coefficient against T shows a positive maximum in most cases. In individual specimens there are temperature intervals in which the coefficient $N-E < 0$. The results obtained are explained by the decrease in the overlap of the valence band and the conductivity zone with the Sb impurity to Bi, and by the decrease in the electron concentration in the conductivity band of the Bi-Sb alloy to which the Pb impurity is added. Yu. Ogrin. [Translation of abstract]

[GC]

SUB CODE: 20//

Card 2/2

L 8556-66 EWT(1)/EWT(m)/EPF(n)-2/EWP(j)/EWA(h)/ETC(m)/T/EWA(d) RPL

ACCESSION NR: AP502117^{44.55} RM/WW/JW

UR/0139/65/000/004/0108/0111

AUTHOR: Rykov, V. I.; Sheynfel'd, V. L. ^{44.55}

TITLE: The application of the Frenkel-Gubanov formula to normal liquids with polyatomic molecules ^{44.55} 65 61 B

SOURCE: IVUZ. Fizika, no. 4, 1965, 108-111

TOPIC TAGS: ^{21, 44, 55} heat capacity, heat of vaporization, heat theory, liquid property

ABSTRACT: The formula of Ya. I. Frenkel and A. Gubanov (ZhETF v. 16, no. 5, 435, 1946) for the temperature coefficient of the surface tension ¹

$$v^{2/3} \frac{d\sigma}{dT} = - \frac{2}{3} \alpha v^{2/3} - \frac{\sigma v^{2/3} (C_p - C_v)}{L} - 0.84$$

is found to differ from the experimental values of certain normal liquids by 30--50%. The constant 0.84 is not universal and should, according to Frenkel and Gubanov, depend on the structure of the molecules because of the neglect of the effect of the surface on the rotational and internal degrees of freedom of polyatomic molecules. For organic liquids the constant is found to be about 3/2. It is shown further that the Frenkel-Gubanov formula can also be very useful for obtaining semi-empirical relations if the constant 0.84 is replaced by a quantity

Card 1/2

L 8556-66

ACCESSION NR: AP5021177

proportional to the Eotvos coefficient, with a proportionality constant $2/3$. A new relation between the heat of evaporation and the difference between the heat capacities is obtained which is in good agreement with experiment. It can be useful for calculating the difference between the heat capacities of a liquid at constant pressure and volume. Orig. art. has: 2 tables and 10 formulas. 4

ASSOCIATION: Kishinevskiy gosuniversitet (Kishinev State University) 4455

SUBMITTED: 25Oct63

ENCL: 00

SUB CODE: GP, TD

NR REF SOV: 006

OTHER: 004

SHEYNFINKEL', V.M., inzh.

Hydraulic, pneumatic, and electrical devices in prostheses of
the upper extremities (Review of foreign literature and patents).
Ortop., travm. i protez. no. 5:65-69 '61. (MIRA 14:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta prote-
zirovaniya (dir. - dotsent M.V. Strukov).
(PROSTHESIS)

KRIVKOV, G.A., polkovnik meditsinskoy sluzhby; VEKSLER, Ya.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk; YEFREMOV, A.S., mayor meditsinskoy sluzhby; SHENYNGERTS, A.R., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; RUMOVSKIY, D.N., polkovnik meditsinskoy sluzhby.

Course of experimental pneumonia following damage by radiation.
Voen.-med.zhur. no.7:41-45 J1 '56. (MLRA 9:11)
(RADIATION SICKNESS) (PNEUMONIA)

TSUKERMAN, M.A., kand.med.nauk; VEKSLER, Ya.I., kand.med.nauk; SIZYAKIN, P.S.;
TERGENT'YEV, N.I.; KORZAN, D.P.; RUNOVSKIY, D.N.; SHEYNGERTS, A.R.,
kand.med.nauk; BRUN, S.A. (Rostov-na-Donu)

Basis for early necrectomy in experimental third degree burns.
Ortop., travm. i protez. 18 no.5:44-49 S-O '57. (MIRA 12:9)
(BURNS AND SCALDS)

17(2)

SOV/177-58-11-5/50

AUTHORS: Runovskiy, D.N., Colonel of the Medical Corps and
Sheyngerts, A.R., Lieutenant-Colonel of the Medical
Corps, Candidate of Medical Sciences

TITLE: Lethal Outcomes of Ileus

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 11, pp 17 -
21 (USSR)

ABSTRACT: The article is based on 378 dissection reports of patients who died of ileus in the course of 9 years and on data of Ya.L. Rappoport, A.I. Abrikosov, A.V. Rusakov and A.M. Vakhurkina. In 58.2% of the cases, death was caused by strangulation ileus, in 29.9% by spastic ileus, in 8.2% by the occlusive form and in 3.7% by the dynamic form. Most of the lethal outcomes in ileus were due to late operation. The intervals from the beginning of the disease up to the operation are shown in table 1. The author stresses the importance of taking organizational measures in order to reduce the diagnostic period in medical

Card 1/2

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.; SHEYNGERTS, A.R.

Immunotherapy of thermal burns in radiation diseases. Vest.khir.
83 no.7:130-135 J1 '59. (MIRA 12:11)
(BURNS AND SCALDS) (SERUM THERAPY) (RADIATION SICKNESS)

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.;
SHEYNGERTS, A.R. (Rostov-na-Donu)

Treatment of burn-radiation sickness with serum of burn convalescents
in combination with early necrectomy. Pat. fiziol. i eksp. terap.

4 no. 5:3-7 S-O '60.

(RADIATION SICKNESS) (BURNS AND SCALDS) (MIRA 13:10)
(SERUM)

27.1220

25253

S/177/60/000/007/008/011
D264/D304

AUTHORS: Grivkov, G.A., Colonel, Medical Corps, Veksler, Ya.I., Candidate of Medical Sciences, Lieutenant Colonel, Medical Corps, and Sheyngerts, A.R., Candidate of Medical Sciences, Lieutenant Colonel, Medical Corps

TITLE: The features of the course of certain ailments of the internal organs against a background of radiation afflictions

PERIODICAL: Voyenno-meditsinskiy zhurnal, no. 7, 1960, 45-51

TEXT: In view of the absence of published information on changes in the clinical course of internal diseases as a result of radiation ailments, the authors studied the course of certain diseases against a background of radiation sickness. The present article deals with the results of a study of experimental exudative pleuritis and myocarditis complicated by acute radiation sickness. Data on experimental pneumonia complicated by radiation sickness can be

Card 1/3

The features of the course...

25253

S/177/60/000/007/008/011
D264/D304

X

found in Voyenno-meditsinskiy zhurnal, no. 7, 1956. Assisted by M.S. Lipovetskiy, the authors studied exudative pleuritis in rabbits: a) without radiation sickness, b) with radiation sickness but without pleuritis, c) with pleuritis evoked immediately after irradiation and d) 7 days after irradiation. The total radiation dose was 502 r. It was found that exudative pleuritis complicated by radiation sickness had a number of features peculiar only to the combined ailment: marked and rapid development of anemia; stormy course of pleuritis of a definite hemorrhagic nature; the formation of extensive blood clots in the pleural cavity; considerable retardation of exudate resorption; complication by pneumonia; high mortality. The disease was most severe cases where pleuritis was evoked at the height of radiation sickness. The experimental myocarditis tests were conducted in a similar manner with the assistance of D.P. Korzan and V.P. Palamarchuk. The course of myocarditis in the irradiated animals (as compared with the intact rabbits) was much more severe, often with progressive leukopenia (usually accompanied by lymphopenia) and a high mortality rate (11 out of 17 animals). The myocardium seemed to be affected earlier and more deeply than in

Card 2/3

The features of the course...

25253

S/177/60/000/007/008/011
D264/D304

the intact animals. The results show that radiation gives pleuritis and myocarditis features that are not typical of the pathological process in non-irradiated animals. There are 2 tables.

SUBMITTED: February, 1960

Card 3/3

KRIVKOV, G.A.; VEKSLER, Ya.I.; KORZAN, D.P.; SHEYNGERTS, A.R.;
KHASABOVA, V.A.; PALAMARCHUK, V.P.

Experimental myocarditis in acute radiation sickness. Pat.
fiziol. i eksp. terap. 6 no.4:81-83 J1-Ag '62. (MIRA 17:8)

VEKSLER, Ya.I., kand. med. nauk; USHAYEVA, I.I.; RADYUK, L.I.;
SHEYNGERTS, A.R., kand. med. nauk

Characteristics of the course of alloxan diabetes in
animals injured by penetrating radiation. Probl. endok. i
gorm. 9 no.3:40-43 My-Je '63. (MIRA 17:1)

KHANIN, I.M.; KUPRIYENKO, I.G.; SHEYNGOL'D, M.A.; YAREMCHUK, V.A.

Basic trends in the development of the construction of
coke ovens abroad using the underjet gas distribution
system. Koks i khim. no.7:58-64 '60. (MIRA 13:7)

1. Dnepropetrovskiy khimiko-tehnologicheskii
institut.

(Coke ovens)

"An A's (rent with Mechanical Drive for Planing F d Plated on the Spot"
Stereo i Instrument, 17 Nov 10-11, 1966.

SHEX:COL'D, E. M. and V. L. MOREEV.

Remont oborudovaniia liteinykh tsekhov mashinostroitel'nykh zavodov.
Kiev, Mashgiz, (Ukr. otd-nie) 1950. 169 p. diagrs.

Bibliography: p. 168.

Repair of foundry equipment in machine-building plants.

DLC: TJ1165.M6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

1. SHEYNGOL'D, YE. M., Eng. FRIDLAND, V.A.
2. USSR (600)
4. Machine Tools - Maintenance and Repair
7. Changing the methods of planning repair periods for equipment. Vest mash. No. 1
1953
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

... I YANOL D...
POMERANTSEV, Vadim Grigor'yevich; SHEYNGOL'D, Yefim Markoyich; AFONINA, G.;
veduchi redaktor; KUDRYAVTSEV, G., veduchi red.; PATSALYUK, P., tekhn. red.

[Modernization of machine tools] Modernizatsiia metalorizal'nykh
verstativ. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1957. 62 p.
(MIRA 10:12)

(Machine tools)

ABRAMOVICH, I.I., prof., ANBINDER, A.G., inzh., AMTOSHIN, Ye.V., inzh.,
 ARKHANGEL'SKIY, L.A., inzh., ASTAF'YEV, S.S., kand. tekhn. nauk,
 AFANAS'YEV, L.A., inzh., BARGSHTEYN, I.I., inzh., BORISOV, Yu. S.,
 inzh., red., BYALYY, I.L., inzh., VETVITSKIY, A.M., inzh., GERSHMAN,
 D.Kh., inzh., GINZBURG, Z.M., inzh., GOROSHKIN, A.K., inzh.,
 YEVDOKIMCHIK, Kh.I., inzh., ZHIKH, V.A., kand. tekhn. nauk,
 ZABYVAYEV, Ye. I., kand. tekhn. nauk, [deceased], ZOBIN, V.S., inzh.,
 IVANOV, G.P., kand. tekhn. nauk, KAPRANOV, P.N., inzh., KONDRATOVICH,
 V.M., inzh., KOSTEREV, S.K., inzh., KOVAL'SKIY, N.N., inzh., KRUGLYAK,
 L.A., inzh., LUKYANOV, T.P., inzh., LAPIDUS, A.S., kand. tekhn. nauk,
 LIVSHITS, G.A., kand. tekhn. nauk, LISHANSKIY, I.M., inzh., MIGALINA,
 Ye.Ya., inzh., NOSKIN, R.A., kand. tekhn. nauk; PRONIKOV, A.S.,
 doktor tekhn. nauk, REGIRER, Z.I., kand. tekhn. nauk, RUDYK, M.A.,
 inzh., SOKOLOVA, N.V., inzh., SAKLINSKIY, V.V., inzh., SAKHAROV, V.P.,
 inzh., TOKAR', M.Kh., inzh., TKACHEVSKIY, G.I., inzh., KHRUNICHEV,
 Yu.A., kand. tekhn. nauk, TSOPIN, K.G., inzh., red.; SHEYNGOL'D, Ye. M.,
 inzh., SOKOLOVA, T.F., tekhn. red.

[Handbook for machinists of machinery plants in two volumes] Spravochnik
 mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. Moskva, Gos.
 nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 2. [The technology
 of repair work] Tekhnologiya remonta. Otv. red. toma IV. S. Borisov,
 1958. 1059 p. (MIRA 11:10)

(Machinery--Maintenance and repair)
 (Machine-shop practice)

ANTOSHIN, Ye. V.

22(5) p 3 PHASE I BOOK EXPLANATION 807/1961

Spravochnik tekhnicheskikh mashinostroitel'nykh zavodov i dnykh zavodov.
T. 2: Tekhnologiya remontov (Handbook for Mechanics of Machine-building
Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow,
Mashgiz, 1958. VII, 1059 p. 40,000 copies printed.

Red. Ye. V. Antoshin, Engineer; Ed.: K. O. Topin, Engineer; Tech. Ed.:
V. I. Babolova; Ed. of Ser.: Yu. S. Borisov, Engineer, A. P. Vladimirov,
Doctor of Technical Sciences, and B. A. Kostin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz): V. I. Krylov, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machine-manufacturing plant.

COVERAGE: The handbook contains information pertinent to the organization of
repair and maintenance operations, design-preparation of maintenance work, and
economics of maintenance. Information on scientific research organizations and
plants participating in preparation of this volume is included in the survey
of Volume 1 (807/1959). There are no references. Basic topics covered include
organization and making of parts in maintenance operations; metal-working,
boasting parts for repair; finishing operations; metal-working,
checking parts for wear; prevention; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

Manufacture and maintenance of basic parts for forging and pressing
equipment (Ginsberg, Z. L., Engineer)

Drop hammers 319
Forging hammers 319
Horizontal forging machines 340
Steam-hydraulic presses 342
Crack presses 344

Maintenance and manufacture of parts for hoisting machinery
(Borisov, Ye. M., Engineer; and Byalyy, I. L., Engineer)
General material requirements 345
Preparation of drawings 346
Load-grabbing elements 347
Hooks 348

Manufacture of blastable parts (Borisov, Ye. M., Engineer)
Method of stationary casting 348
Centrifugal method of casting 349
Manufacture of bimetallic worm gears, nuts, and other parts 350

Card 9/25

ANTOSHIN, Ye V.

p 3

PLANE 1 BOOK REPRODUCTION

807/1361

Spravochnik tekhnicheskikh mashinostroitel'nogo zavoda v dnuh tsnakh.
T. 2: Tekhnologiya remonta (Handbook for Mechanics of Machine-building
Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow,
Mashgiz, 1958. VII, 1059 p. 40,000 copies printed.

Red. Ye. V. Antoshin, Engineer; Ed.: K. G. Teplov, Engineer; Tech. Ed.:
T. F. Sokolova; Asst. of Ed.: Yu. S. Borisov, Engineer, A. F. Vladimirov,
Doctor of Technical Sciences, and S. A. Roskin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz): V. I. Brylov, Engineer.

NOTE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of
repair and maintenance operations, design-preparation of maintenance work, and
economics of maintenance. Information on scientific research organizations and
plants participating in preparation of this volume is included in the foreword
of Volume 1 (807/1359). There are no references. Basic topics covered include:
reconditioning and making of parts in maintenance operations; metal-working;
hoisting, and pipe-fitting; finishing operations involved in maintenance work;
checking parts for precision; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

General bench work, maintenance, and assembly work
(Goryunov, Ye. M., Engineer, and Brylov, V. I., Engineer)

Disassembly of machines for repair

Metalworking operations in maintenance of equipment

Straightening of deformed parts

Repair of threaded holes

Screwing off of surfaces and backings

Substitution of machining for screwing

Lapping

Card 12/25

131
132
133
134
135
136
137

ANTOSHIN, Ye.V.

p 3

PHASE I BOOK EXPLOITATION

907/1361

Dyavodnitsa makhavitsa mashinostroitel'noye zavoda v'dmish tsekh.
t. 2: Tekhnologiya remontov (Handbook for Mechanics of Machine-Building
Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow,
Mashgiz, 1990. VII, 1099 p. 40,000 copies printed.

Reep. Ed.: Ye.S. Burlov, Engineer; Ed.: K.O. Topin, Engineer; Tech. Ed.:
T.J. Sokolov; Ed. of text: Yu.D. Borisev, Engineer, A.P. Vladimirovsky,
Doctor of Technical Sciences, and A.A. Moskvin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz): V.I. Knylov, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

COVERAGE: The handbook contains information pertinent to the organization of
repair and maintenance operations, design-preparation of maintenance work, and
plants participating in preparation of this volume is included in the sections and
of Volume 1 (207/1359). There are no references. Basic topics covered include
reconditioning and making of parts in maintenance operations; metal-working
boring, and pipe-fitting; finishing operations involved in maintenance work;
bearing parts for precision; bearing operations involved in maintenance work;
power equipment; and maintenance of foundations.

Soldering, tinning, and lining with babbitt (Shvynogol'd, Ye.M.,
Engineer; and Pyul'7, I.L., Engineer)

Soldering and tinning

Lining bearings with babbitt

Assembly operations (Shvynogol'd, Ye.M., Engineer, and Pyul'7, I.L.,
Engineer)

Organizing assembly operations

Assembly of fixed joints

Installation of roller bearings

Bolt joints

Fitting of joints

Installation of joining pins

Assembly of belt and chain drives

Assembly of gear and worm drives

Balancing of rotating parts and assemblies (Sokolov, I.T., Engineer)

Methods of static balancing

Methods of dynamic balancing

Card 13/26

b4

b4

b4

b4

b4

b4

b4

b4

b4

b4

b4

b4

ANTOSHIN, Ye V

25(5)

PLANE 1 BOOK REVISION

807/1561

Spravochnik mekhanika mashinostroitel'nogo zavoda v druzhnoy tozhestvo.
T. 2: Tekhnologiya remontov. (Handbook for Mechanics of Machine-Building
Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow,
Mashgiz, 1958, vii, 1099 p. 40,000 copies printed.

Resp. Ed.: Yu.S. Borisov, Engineer; Ed.: K.O. Topilov, Engineer; Tech. Ed.:
I.Y. Solov'yev, Ed. or Bet.: Yu.S. Borisov, Engineer; A.P. Vladimirov,
Editor of Technical Sciences, and R.A. Kostin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz): V.I. Krylov, Engineer.

NOTE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of
repair and maintenance operations, design-preparation of maintenance work, and
plant participation in preparation of this volume is included in the coverage
of Volume 1 (807/1559). There are no references. Basic topics include
boasting, and pipe-fitting; finishing operations involved in maintenance work;
checking parts for precision; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

Techniques used in checking geometric shapes and the interrelationship
of machine parts (Borisov, Ye.V., Engineer; and Topilov, K.O., Engineer)

Main rules followed in checking 601

Use of a flatness gage 601

Manufacture, use, and maintenance of the flatness gage 601

Checking the rectilinearity of guides 604

Devices for checking the position of assemblies and parts 605

Methods of measuring the geometric precision of machine tools 615

(Borisov, Ye.V., Engineer) 615

Checking the flatness of machine tool working parts which 616

support the rectilinearity of movement of machine tool working 616

parts in support the machined item and the cutting tool 616

Rectilinearity of the movement checked in the vertical plane 616

Checking the true movement checked in the horizontal plane 616

Checking the true movement of rotation of the machine tool working parts 616

which support the machined item of the tool 619

Card 17/55

ANTOSHIN, Ye V

-25(5) p 3

PLANE 1 BOX EXPLOSION

807/1951

Spravochnik mekhanika mashinostroitel'nogo zavoda v dnuh smekh.
t. 21 Tekhnologiya zremeni (Handbook for Mechanics of Machine-building
Plants in Two Volumes Vol. 21 Technology of Repair Operations) Moscow,
Mashgiz, 1958. VII, 1499 p. 40,000 copies printed.

Comp. Ed. Yu.S. Borisov, Engineer; Ed. K.O. Topov, Engineer; Tech. Ed. I.
T.P. Sokolov; Ed. of Ser. Yu.S. Borisov, Engineer; A.P. Vlasovskiy,
Sector of Technical Sciences, and R.A. Kostin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz): V.I. Krylov, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

COVERAGE: The handbook contains information pertinent to the organization of
repair and maintenance operations and the participation of maintenance work, and
the organization of maintenance work in scientific research organizations and
plants participating in preparation of this volume is included in the coverage
of Volume 1 (807/1959). There are no references. Basic topics covered include
reconditioning and making of parts in maintenance operations; metal-working,
hoisting, and pipe-fitting; finishing operations involved in maintenance work;
checking parts for precision; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

Checking the rigidity of metal-cutting machine tools (Sokolov, N.Y.,
Engineer)

Ch. V. Basic Bench and Assembly Work and Adjustment of Coordinates in
the Maintenance of Industrial Equipment (Sheynagel, Ye. M.,
Engineer, and Prylyz, I.L., Engineer)

Maintenance of metal-cutting machine tools

Choice of engineering and test bases in repairing bed ways

Methods for repairing and checking bed ways

Machining of bed ways on machine tools

Machining of bed ways with the aid of portable devices

Repair by hand of bed ways

Removal of nicks on bed ways

Decreasing the durability of bed ways (Lishanskii, I.M., Engineer)

755

760

760

760

762

767

774

761

764

766

SHEYN GOLD. ye M.

PAGE 1 BOOK REFORMATION 807/5660

Maishno-tshincheskoye obshchestvo mashinostroyitel'noy promyshlennosti.
 Tsentrul'noye pravleniye. Sektatsiya resheniya i modernizatsii obratnykh
 Modernizatsiya i remont obratnykh mashin (votat'nykh zavodov (Modernization
 and Repair of Machine-Building Plant Equipment)) Moscow, Mendeit, 1959.
 261 p. Kravats aliip inserted. 6,100 copies printed.

MA. (Title page): S.A. Moskvin, Candidate of Technical Sciences; Ed. (Inside book):
 A.T. Popov, Engineer; Tech. Ed.: V.D. Kuznetsov, Managing Director for Literature on
 Metalworking and Machine-Tool Construction (Mashstroi); S.A. Moskvin, Engineer;
 Editorial Board: S.A. Moskvin (Chairman), Candidates of Technical Sciences;
 B.S. Burisov, Engineer; V.D. Piatov, Engineer; V.I. Nibaylovskiy, Engineer;
 and V.P. Golov, Engineer.

REMARKS: This collection of articles is intended for technical personnel dealing
 with modernization and overhaul of equipment.

CONTENTS: The articles in this collection deal with the basic trends and a number
 of specific problems in the modernization of the machine industry. Modernization
 of foundry, forging-shop, and crane equipment and problems in the automation of
 equipment repair are discussed. Information is given on the use of unitized
 subassemblies in the modernization of metal-cutting machine tools, on measures
 for prolonging the life of forging hammers, on methods of automatic vitro-
 electric hard facing of worn parts, on sulfidation, and on vibration of
 forging-hammer foundations. No specialities are mentioned. References follow
 several of the articles.

TABLE OF CONTENTS

Moskvin, S.A. [Engineer]. Basic Trends in the Modernization of Crane Equipment	3
Shteynold, Ye.M. [Engineer]. Prolongation of the Life of [Piston] Tools for Forging Hammers	31
Danashkin, V.I. [Engineer, KILIMASH]. Basic Trends in the Modernization of Foundry Equipment	39
Golov, V.P. [Engineer]. Automation of Metal-Cutting Machine Tools	69
Yakov, V.M. [Engineer, VRI]. Organization of Heavy Repair of Tug Boreys and Repetition of Repaired Quality	61
Platukov, V.P. [Engineer, Kuznetsovskiy zavod transportnykh mashinostroyeniya Izm. Mashinostroyeniya (Kuznetsovskiy zavod transportnykh mashinostroyeniya Izm. Mashinostroyeniya)] Repair of Worn Ways of Metal-Cutting Machine Tools by External Dressing	106
Perlov, S.A. [Engineer, Roshchinskoye]. Use of Unitized Subassemblies in the Modernization of Metal-Cutting Machine Tools	112
Atanasyuk, P.G. [Candidate of Technical Sciences, KILIMASH]. Basic Trends in the Modernization of Woodworking Equipment	132
Shchegolev, G.M. [Candidate of Technical Sciences, VRIKIMASH]. Basic Trends in the Modernization of Existing Crane Equipment	136
Rise, V.P. [Engineer]. Modernization and Repair of Crane Equipment	155
Shishkin, Ye.L. [Engineer, Uralmashzavod]. Modernization of Unique Equipment	165

Card 3/4

LEVCHUK, G.G., inzh.; SHEYNGOL'D, Ye.M., inzh.; BYALYY, I.L., inzh.

Introducing new technological processes for equipment repair.
Vest.mashinostr. 42 no.6:43-47 Ja '62. (MIRA 15:6)
(Charkov--Industrial equipment--Maintenance and repair)

SHEYNGOL'D, Ye.M.

Hoisting devices for easing the work of repair mechanics.
Mashinostroitel' no.9:20-22 S '63. . (MIRA 16:10)

(Hoisting machinery)

SHEYNIN, A., kandidat tekhnicheskikh nauk.

Some problems of introducing the aggregate method of repair.
Avt.transp.33 no.10:13-15 0'55. (MIRA 9:1)

1. Zamestitel' nachal'nika Tekhnicheskogo upravleniya Ministerstva
avtomobil'nogo transporta i shosseynykh dorog SSSR.
(Motortrucks--Repairing)

SHEYNIN, A., kand.tekhn.nauk; KUZ'MIN, N., inzh.

Effect of the transportation distance on automobile fuel
consumption. Avt.transp. 35 no.9:14-15 S '57. (MIRA 10:10)
(Automobiles--Fuel consumption)
(Transportation, Automotive)

SHEYNIN, A.

Calculation and analysis .of fuel consumption (according to
new norms). Avt. transp. 38 no. 12:21-23 D '60. (MIRA 13:12)
(Motor vehicles--Fuel consumption)

SHEYNIN, A., kand.tekhn.nauk; KORNEICHEV, N., inzh.

Increasing the durability of tires. Avt.transp. 40
no.11:16-18 N '62. (MIRA 15:12)

1. Proizvodstvenno-tekhnicheskoye upravleniye Ministerstva
avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Tires, Rubber—Maintenance and repair)

SHEYNIN, A.

Reports must be accurate. Fin. SSSR 22 no.10:65-68 0 '61.
(MIRA 14:9)

1. Zamestitel' glavnogo bukhgaltera upravleniya stroitel'stva
Novosibirskogo sovnarkhoza.
(Novosibirsk Province--Construction industry--Accounting)

SHEYNIN, A., kand. tekhn. nauk

Development of an economic and technical base for automotive
transportation. Avt. transp. 41 no.8:19-21 Ag '63.
(MIRA 16:11)

SHEYNIN, A., kand. tekhn. nauk

Calculating maintenance and repair requirements of a motor vehicle fleet.
Avt. transp. 42 no.9:22-26 S '64. (MIRA 17:11)

PORTNOVA, S.L.; REZHENNIKOV, V.M.; ANANCHENKO, S.N.; SHEINKER, Yu.N.;
TORGOV, I.V.

Nuclear magnetic resonance of some D-homosteroids. Dokl. Ak
SSSR 166 no.1:125-128 Ja '66.

(MIRA 19:1)

1. Submitted March 27, 1965.

SHAYNIN A. B.

USSR/Chemistry - Physical Chemistry

Aug 52

"The States of Iodine in Several Organic Solvents," S. A. Shchukarev, L. S. Lilich and A. B. Shaynin

"DAN SSSR" Vol 85, No 6, pp 1333-1335

It is believed that a coordination bond arises between the I and the solvent mol when I is dissolved in an org solvent. In the present work, I is dissolved in varying concns in solvents (CCl_4 , $\text{C}_2\text{H}_5\text{Cl}$, $\text{C}_2\text{H}_5\text{Br}$, $\text{C}_4\text{H}_9\text{Br}$, and $\text{C}_2\text{H}_5\text{I}$) and the vapor pressures of I noted. It is found to decrease in the following order: CCl_4 CCl_4 RBr RI . The vapor pressure of I_2 over CCl_4 follows Henry's law of soln. The degree of interaction of I with the solvent increases with the degree of the electron-donating properties of the solvent. The hypothesis of the formation of a coordination-covalent bond between the I and the solvent is confirmed. Presented by Acad A. N. Terenin 18 Jun 52

238T18

5.11. Y.M.N. - 1.13.
USSR/Physical Chemistry - Thermodynamics, Thermochemistry, B-8
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 370

Author : Yu.S. Varshavskiy, A.Ya. Kapnis, A.B. Sheynin

Inst : Academy of Sciences of USSR

Title : Composition of Equilibrium Gaseous Phase above Binary
Solution and Van der Waals Equation.

Orig Pub : Zh. fiz. khimii, 1957, 31, No 5, 1166-1168

Abstract : Discussion article. See Reshetnikov M.A., Dokl. AN
SSSR, 1949, 68, 531.

Card 1/1

SOV/80-32-5-18/52

5(4)

AUTHORS: Kheyfets, V.L., Sheynin, A.B.

TITLE: The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1039-1042 (USSR)

ABSTRACT: The measurement of the surface tension on the boundary of two liquid phases is very difficult. For this purpose a new method has been applied, based on the determination of the boundary angle between the two phases. At a low size of the immersed droplet both its halves can be regarded as segments of a circle, from which the angle can be calculated. A similar idea has been used in the method employed by Mikiashvili, Samarin and Tsylev [Refs 2,3]. Molten systems of the type matte-slag are investigated here, which are important for the non-ferrous metallurgy. The surface tension on the boundaries matte-gas and slag-gas was determined by the method of the maximum pressure of gas bubbles [Refs 4, 5]. A slag drop of 0.2 - 0.5 g was immersed into the system which was kept in a flow of nitrogen for 30 min at 1,300°C. Then the size of the droplet magnified 10-fold was projected on a screen. The error was 5-10%. Both the surface and inter-phase

Card 1/3

SOV/80-32-5-18/52

The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

tension decrease with the increase of iron sulfide content in the melt. Analogous relations were found by Stryvalin, Yesin and Nikitin [Refs 8,9] for the systems $\text{Cu}_2\text{S}-\text{FeS}$ and $\text{Cu}_2\text{S}-\text{Ni}_3\text{S}_2$. For the calculation of the inter-phase tension the data of Vanyukov and Ivanov [Ref 10] were also used. The surface tension of slags is the lower, the higher the silica content in them. The substitution of CaO by FeO increases the inter-phase tension. The "mechanical" losses in the nickel production can be reduced by increasing the inter-phase tension which facilitates the aggregation of the matte reguli. The surface tension increases with the decrease of the nickel content in the matte. There are: 3 graphs, 1 diagram and 10 references, 7 of which are Soviet, 2 English and 1 German.

Card 2/3

SOV/80-32-5-18/52

The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

ASSOCIATION: Proyeektnyy i nauchno-issledovatel-skiy institut nikel'evoy, kobal'tovoy
i olovyannoy promyshlennosti (Planning and Scientific Research In-
stitute of the Nickel, Cobalt and Tin Industry)

SUBMITTED: February 18, 1958

Card 3/3

SOV/76-33-9-9/37

5(4)

AUTHORS:

Kheyfets, V. L., Sheynin, A. B.

TITLE:

Oscillographic Investigation of the Kinetics of Electrode Processes. I) Method

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 1945-1950 (USSR)

ABSTRACT:

An investigation of the kinetics of electrode processes by means of oscillographic diagrams with the coordinates potential-time as obtained by the switching on and off of the polarization current was already performed by V. A. Royter et al (Refs 1-3). A. T. Vagramyan and Z. A. Solov'yeva (Ref 8) pointed out that the short recording time of the oscillographic method is an advantage of such kind that the influence of a surface change of the electrode is avoided. Citing the works of V. A. Royter, V. A. Yuza, Ye. S. Poluyan (Ref 1) and V. I. Kravtsov (Ref 6) a method of analyzing oscillograms as obtained by switching on and off of the current is described in the present paper, which may be applied to arbitrary amounts of polarization and permits the determination of the amount of the exchange current i_0 and the coefficients α and β . The effect of a parallel proceeding electrochemical secondary

Card 1/2

SOV/76-33-9-9/37

Oscillographic Investigation of the Kinetics of Electrode Processes.

I) Method

process on the electrode upon the shape of the oscillogram is discussed and confirmed that no such effect may be ascertained as long as the contribution of the by-process does not exceed 20%. The analysis of the influence of concentration changes on the phase boundary electrode-electrolyte upon oscillograms confirmed (equations (17) and (18)) that for cathode polarization the current change is proportional to activity changes on the boundary electrode-electrolyte so that the described method is not applicable, while it may be applied for anode polarization that is not too low. There are 10 references, 8 of which are Soviet.

ASSOCIATION: Institut nikel'voy, kobal'tovoy i clovyan'noy promyshlennosti
Gipronikel' (Institute of the Nickel, Cobalt and Tin Industry
Gipronikel')

SUBMITTED: February 19, 1958

Card 2/2

VARSHAVSKIY, Yu.S.; KIPNIS, A.Ya.; SHEYININ, A.B.

More about the approximate equation of Van der Waals. Zhur.
fiz.khim.34 no.1:211 Ja '60. (MIRA 13:5)
(Equation of state)

ZINOV'YEV, V.A.; SHEYNIN, A.B.; KHEYFETS, V.L.

Oscillographic study of the kinetics of electrode processes.
Part 2: Cobalt electrode in cobalt sulfate solutions. Zhur. fiz.
khim. 35 no.1:98-101 Ja'61. (MIRA 14:2)

1. Gosudarstvennyy institut nikel'evoy, kobal'tovoy i olobyannoy
promyshlennosti. : (Cobalt)

SHEYNIN, A.B.; ZINOV'YEV, B.A.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes. Part 3:
Cobalt electrode in solutions of various compositions. Zhur. fiz.
khim. 35 no.3:513-516 Mr '61. (MIRA 14:3)

1. Institut nikelovoy, kobalt'ovoy i olovyannoy promyshlennosti
Leningrad.

(Electrodes, Cobalt)

KHEYFETS, V.L.; SHEYNIN, A.B.; KRASIL'SHCHIK, B.Ya.; FISHER, Yu.V.

Measurement of the differential capacity of electrodes and of the resistance of electrochemical reactions by means of alternating current. Zhur.prikl.khim. 35 no.7:1550-1556
Jl '62. (MIRA 15:8)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy promyshlennosti.

(Electrodes)

(Electrochemistry)

VARSHAVSKIY, Yu.S.; SHEYNIN, A.B.

Entropy of systems containing scarcely distinguishable components.
Dokl. AN SSSR 148 no.5:1099-1101 F '63. (MIRA 16:3)

1. Predstavleno akademikom A.A.Grinbergom.
(Entropy) (Gases)

YEREMEEV, G.M.; SMIRNOV, A.I.

Characteristics of continuous latching at constant active reagent
concentrations. Izv. vys. ucheb. zav.; fiz. mat. 7 no.6:38-44
1961. (MIRA 18:3)

1. Institut "Giprofizmat" i Leningradskiy gornyy institut.

SHEYNIN, A.B.; RYTVINSKAYA, M.V.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes.
Part 4. Zhur.fiz.khim. 38 no.11:2562-2568 N '64.

(MIRA 18:2)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYNIN, A.B.

Analytical regularities of continuous dissolution with recirculation of the solid phase. Izv. vys. ucheb. zav.; tsvet. met. 8 no.1:43-51 '65. (MIRA 18:6)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Gipronikel".

YU. I. PIR, Ye. M.: CHENIN, A. B.

Mathematical description of continuous processes of dissolution.
Dokl. AN SSSR 10 no. 4: 879-882 F 165. (MIRA 18:2)

1. Proektyny i nauchno-issledovatel'skiy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYNIN, A.B.

Continuous dissolution in a cascade of reactors with a constant concentration of the active reagent. Dokl. AN SSSR 160 no.3:661-664 Ja '65. (MIRA 18:3)

1. Proyektnyy i nauchno-issledovatel'skiy institut Gipronikel'.
Submitted July 18, 1964.

KOROGODSKIY, M.V.; SHEYNIN, A.M., redaktor; MULIKOVA, I.F., tekhnicheskii
redaktor

[Work practice with automobile trains; work practice of driver V.P.
Bondarchuk of the auto brigade of the All-Union transportation
Maintenance Association] Opyt raboty na avtopoezde; iz opyta ra-
boty shofera Kirovogradskoi avtoroty Soiuzzagottransa V.P. Bondar-
chuka. Moskva, Nauchno-tekhn. izd-vo avto-transportnoi lit-ry, 1955.
30 p. (MLRA 9:2)

(Automobile trains)

SHEYNIN, A.M., kandidat tekhnicheskikh nauk.

Effect of operation factors on fuel consumption in automobiles.
Trudy MADI no.19:80-101 '56. (MIRA 10:1)
(Automobiles--Fuel consumption)

BRONSHTEYN, L.A., kand.tekhn.nauk, nauchnyy sotrudnik; BILIBIN, I.V.,
nauchnyy sotrudnik; KVITCHENKO, Ya.P., nauchnyy sotrudnik;
LEVIN, D.M., nauchnyy sotrudnik; NADEZHDIN, B.N., nauchnyy
sotrudnik; NOVIKOVA, A.I., nauchnyy sotrudnik; PONIZOVKIN,
A.N., nauchnyy sotrudnik; SHEYNIN, A.M., nauchnyy sotrudnik;
ZUYEVA, N.K., tekhn.red.

[Operational and economic evaluation of truck-trains of various
composition] Ekspluatatsionno-ekonomicheskaya otsenka avtopoezdov
razlichnogo sostava. Moskva, Nauchno-tekhn.izd-vo avtotransp.
lit-ry. No.1. [ZIL truck train] Avtopoezda ZIL. 1958. 58 p.
(MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo
transporta. 2. Nauchno-issledovatel'skiy institut avtomobil'nogo
transporta (for all, except Zuyeva).
(Automobile trains)

ILARIONOV, Vitaliy Alekseyevich, kand.tekhn.nauk; MORIN, Mikhail Mikhaylovich,
kand.tekhn.nauk; SHEYNIN, Aleksandr Mikhaylovich, kand.tekhn.nauk;
MASHCHENKO, A.F., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[The theory of motor vehicles] Teoriia avtomobilis. Moskva,
nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog
RSFSR, Moskva, 1960. 186 p. (MIRA 13:12)
(Motor vehicles)

BRONSHTEYN, L.A., kand.tekhn.nauk; BRUSYANTSEV, N.V., kand.tekhn.nauk;
GRECHINSKAYA, L.T., inzh.; GROZOVSKIY, T.S., kand.tekhn.nauk;
KRAMARENKO, G.V., kand.tekhn.nauk; KRICHEVSKIY, Z.A., inzh.;
LEVIN, D.M., kand.tekhn.nauk [deceased]; Prinimali uchastiye:
BEGTEREV, G.N., kand.tekhn.nauk; SHEYNIN, A.M., kand.tekhn.nauk;
SHLIPPE, I.S., kand.tekhn.nauk; NAYDENOV, B.F., inzh. AFANAS'YEV,
L.L., kand.tekhn.nauk, red.; VASIL'YEVA, I.A., red.izd-va; UVAROVA,
A.F., tekhn.red.

[Handbook for automotive transportation] Avtotransportnyi spravochnik. Izd.4., ispr. i dop. Pod obshchei red. L.L.Afanas'eva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
819 p. (MIRA 13:12)
(Transportation, Automotive--Handbooks, manuals, etc.)

^{M.}
SHEYNIN, A., kand.tekhn.nauk

New uniform standards for motor vehicle fuel consumption. Avt.
transp. 38 no. 5:15-18 My '60. (MIRA 14:2)
(Motor vehicles—Fuel consumption)

SHEYNIN, Aleksandr Mikhaylovich; BORISOV, Mikhail Ivanovich; FILIN, A.G.,
red.; DONSKAYA, G.D., tekhn. red.

[Standards of liquid fuel consumption for automobiles; reference
book] Normy raskhoda zhidkogo topliva dlia avtomobilei; spravochnik.
Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shosseinykh
dorog RSFSR, 1961. 174 p. (MIRA 14:7)
(Automobiles—Fuel consumption)

SHEYNIN, A.,^{VI}kand.tekhn.nauk; MARSKIY, Ye., inzh.

More attention to the mechanization and automation of maintenance and repair of motor vehicles. Avt.transp. 40 no.9:6-7 S '62.
(MIRA 15:9)

1. Proizvodstvenno-tekhnicheskoye upravleniye Ministerstva
avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Motor vehicles—Maintenance and repair)

SHEVNIN, Aleksandr Mikhaylovich, kand. tekhn. nauk; ILARIONOV,
V.A., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Operating fuel efficiency of motor vehicles] Eksplua-
tatsionnaia toplivnaia ekonomichnost' avtomobilei. Mo-
skva, Avtotransizdat, 1963. 167 p. (MIRA 17:1)
(Motor vehicles—Fuel consumption)

PINUS, E.R., inzh.; KORSHUNOV, V.I., inzh.; SHEYNIN, A.M., inzh.

Utilization of the waste from crushed carbonaceous rocks in
concrete. Avt. dor. 28 no.5:20-22 My '65. (MIRA 18:11)

1ST AND 2ND ORDERS																										PROCESSES AND PROPERTIES INDEX																																																																									
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 AND OTHER LOCATIONS																																																																																																			
<p>Corrosion of valves in pumps used for deep-well pump ing. B. Shigunov. <i>Novosti Tekhniki</i> 1939, No. 17-18, 36. The corrosion of valves in pumps used for deep well pumping was considerably reduced by employing a stain- less steel valve seat and Cr-plated valve balls. The Cr plating is carried out in the following bath: CrO_3 250 g./l. and H_2SO_4 2.5 g./l. Duration of plating is 1 hr. at a c. d. of 20 amps./sq. dm. and 63°; this gives a Cr layer of 0.01 mm. To decrease the brittleness the balls are kept in oil at 200° for 2-3 hrs. B. Z. Kamich</p>																																																																																																			
<p>ASB 514 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																																																																			

1ST AND 2ND ORDERS																										PROCESSES AND PROPERTIES INDEX																									
U A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NN NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VV VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ																																																			
<p>Preventing corrosion of oil-well compressor tubes. R. Shelton. <i>Notulae Technicae</i> 1939, No. 22, 20-30. Corrosion of compressor tubes in oil wells which are kept flowing with the aid of air-gas lift was reduced by coating the end tubes with 3 layers of Bakelite to which kaolin and a plasticizer were added. After the application of each coating the tube is dried for 2 hrs. and then subjected to the following heat-treatment: 2 hrs. at 80°, 1 hr. at 100° and 140°, and 2 hrs. at 120°, 140°, and 160°. Tests with tubes treated in this manner were satisfactory. H. Z. Kamich</p>																																																			
<p>ASAC SEA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

SHEYNIN, B. I.

Sheynin, B. I. - "Methods of developing gas-turbine equipment", Trudy Rost. n/D in-ta s.-kh. mashinostroyeniya, Issue 4, 1948, p. 65-77, - Bibliog: 5 items.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

SHEYNIN, B. I.

Sheynin, B. I. - "Preheating the input air in cupolas", Trudy Rost. n/D in-ta s.-kh. mashinostroyeniya, Issue 4, 1948, p. 101-05.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

SHEYIN, B. I.

PA 46/49T34

USSR/Engineering
Fuel Conservation
Power Plants, Electric

Aug 48

"Rostov Oblast Scientific-Technical Meeting on
Fuel Economy," B. I. Sheynin, Cand Tech Sci,
3 pp

"Za Ekonomiyu Topliva" Vol V, No 8

Eighty-five industrial-power engineers, electrical engineers, and government representatives participated in subject conference, 25-26 May 48. Heard and considered 13 reports, five on introduction of new techniques and improvement in fuel utilization in oblast electric power plants.

46/49T34

SHEYNIN, E. I.

33104

Teplootdacha Parogazovoy Smesi S Nebolgschim Soderzhaniem Para. Trudy Rost. N/D In-Ta.
S. Zh. Mashinostroeniya, Vyp 5, 1949, C. 85-90. -Bibliogr: 5 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

F

0

1635. OPERATION OF MIXERS OF GAS (HEAT TREATMENT) FURNACES ON HOT GAS. Sheinin, B.I. (Za Eksp. Topliva (Fuel Econ.), Aug. 1951, 18-21).
The mixers referred to are for mixing producer gas and air prior to flameless combustion. Their design and operation are treated theoretically.
(L).

SHEYNIN, B. I.

ABRAMOV, A.S.; SHEYNIN, B.I.; LEBEDEV, M.V., redaktor; NOVOCHADOV, A.G.,
redaktor; GUROVA, O.A., tekhnicheskii redaktor.

[Fuel, furnaces and boiler installations] Toplivo, topki i ko-
tel'nye ustanovki. Moskva, Izd-vo Ministerstva kommunal'nogo
khoziaistva RSFSR, 1953. 247 p. (MLRA 7:8)
(Boilers)

Mashinistov uchib. obo kompressora (Piston Compressor Operators), Gosizdat.

The booklet describes problems of theory, functioning, and arrangement of compressors, and includes instruction for the care, tending, and maintenance of piston compression units, and measures for organizing the work area of operators.

The booklet is intended for piston-compressor operators.

SO: Sovetskii knigi (Soviet Books), No. 183, 1953, Moscow, (U-6472)

LAVROV, N. A., Eng.; MEYNIN, B. I.

Coal, Pulverized

Practical scheme for supplying coal dust from air mills to burners. Elek. sta. 23,
No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

YURENEV, V.N.[author]; BAZHENOV, I.G.; SHEYININ, B.I., kandidat tekhnicheskikh nauk [reviewers].

"Industrial steam turbine electric power plants." Elek.sta. 24 no.7:63-64
Jl '53. (MLBA 6:7)

(Electric power plants) (Iurenev, V.N.)

USSR/Engineering - Power

FD-2245

Card 1/1 Pub 41-13/17

Author : Katarzhis, A. K., Kosterin, S. I., and Sheynin, B. I., Moscow

Title : An electrical method of registering the separation of a steam-water mixture

Periodical : Izv. AN SSSR. Otd. Tekh. Nauk 2, 132-136, Feb 1955

Abstract : Describes a method for registering the separation of a steam-water mixture by using an electrically heated filament. The device works on the principle that the filament would have different heat emissions in steam and water. Diagrams, table. One USSR reference.

Institution:

Submitted : January 31, 1955

AID P - 1321

Subject : USSR/Engineering

Card 1/2 Pub. 110-a - 3/19

Authors : Davidov, A. A., Eng., Polyakov, V. V., Eng. and
Sheynin, B. I., Kand. of Tech. Sci.

Title : Study of the distribution of the steam-water mixture from
the header along the piping system

Periodical : Teploenergetika, 2, 15-19, F 1955

Abstract : The results of research experiments are presented con-
cerning the distribution of the steam-water mixture as
observed on laboratory test equipment. Those experiments
show the relation existing between the indexes of distri-
bution of the steam-water mixture and of the volume load
per second of the distributing header. Recommendations
are presented concerning the choice of some elements of
construction. Diagrams, charts.

Teploenergetika, 2, 15-19, F 1955

AID P - 1321

Card 2/2 Pub. 110-a - 3/19

Institutions: Institute of Power Engineering, Academy of Sciences,
 USSR; TETS #9 of Mosenergo (Moscow Power Plant System);
 BPK (Bureau for the Construction of Continuously
 Operating Coal Boilers).

Submitted : No date

SHE 1, B 1

AID P - 3393

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 8/30
Authors : Krasnoperov, F. A., and B. I. Sheynin, Engs.
Title : Cooling of the supporting crown of a boiler
Periodical : Energetik, 3, 10, 14-15, 0 1955
Abstract : The author describes a 150 t/hr capacity Ramsin
once-through boiler which was interrupted several
times in its operation because of the burning out
of its crown. A cooling of the crown was developed,
which the author describes as successful. Two
drawings.
Institution : None
Submitted : No date

KOSTERIN, S.I., doktor tekhnicheskikh nauk; SHEYNIN, B.I., kandidat tekhnicheskikh nauk; KATARZHIS, A.K., inzhener.

Experimental characteristics of the occurrent flow of a steam-water mixture in a straight horizontal tube. Teploenergetika 3 no.1:22-26 Ja '56.
(MLRA 9:2)

1. Energeticheskiy institut Akademii nauk SSSR.
(Fluid dynamics)

~~SECRET~~ IN, B.I., Kandidat tekhnicheskikh nauk; VOLEOVA, V.I., inzhener.

Investigating the effect of the velocity of a steam-water mixture in the dispensing collector on the distribution among the parallel turns. Teploenergetika 4 no.9:37-40 S '57. (MLRA 10:8)

1. Energeticheskiy institut Akademii nauk SSSR i Moskovskoye otdeleniye tsentral'nogo kotloturbinnogo instituta,
(Boilers)

AUTHOR: Kosterin, S.I., Doctor Tech.Sci. and Sheynin, B.I., SOV/96-58-6-14/24
Cand.Tech.Sci.

TITLE: Hydraulic frictional resistance to flow of a steam/water
mixture in a straight horizontal tube. (Gidravlicheskiye
soprotivleniya treniya techeniyu parovodyanoy smesi v pryamoy
gorizontal'noy trube).

PERIODICAL: Teploenergetika, 1958, V. 5. No.6. (USSR) pp. 71-76

ABSTRACT: Two methods have been used to calculate the hydraulic frictional
resistance to flow of a two-phase mixture in a tube. The first
employs the Darcy-Weissbach formula, which is clearly arbitrary.
The second method of calculation is based on relative pressure
drops: this method is convenient both in theory and practice, and
is used by many investigators. To clarify the main relationships
of the hydrodynamics of flow of a two-phase system in a straight
horizontal tube, an analytical study is made of the most typical
flow structure. Under a wide variety of conditions the flow
separates out into two layers: this was observed under various
conditions with steam contents by weight ranging from 15 to 65%
(see fig.2.), and was accordingly taken as the typical mode of flow.
An expression is derived for the specific pressure-drop in the liquid
phase, which is equal to that in the gas phase. Then a dimensionless
expression is derived for the pressure drop, which is expressed in

Card 1/3